

Load control in an internal combustion engine

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Inventor(s): KLUTH CARSTEN (DE); TORNØ OSKAR (DE); FRANKE STEFFEN (DE); SURJADI IWAN (DE); B AUML UERLE MICHAEL (DE); H AUML MING WERNER (DE)
Applicant(s): BOSCH GMBH ROBERT (US)
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Abstract

To achieve a very sturdy automatic control of the boost pressure, the integration of system deviation of the boost pressure, which is carried out by an integrator, is limited to a predefinable limiting value. Limiting value is composed of a basic value and a correction value superimposed upon it. Correction value is determined adaptively as a function of speed, a plurality of speed ranges being predefined. Adapted correction value can be increased or reduced stepwise, which mainly depends on whether the integral-action component of the manipulated variable for the boost pressure is smaller or greater than the current limiting value

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